HOW THE BOSTON CON. WAS MADE A MINE



Boston Consolidated Porphyry Mine, Dec. 1, 1906. This Picture Shows How the Hill Is Being Stripped by the Steam Shovels.

locomotive beats the stage coach of pio- ments. neering days, as easily as the telephone | So remarkable has been the devel- best of their kind that could be se-

years-sulphide ores in quantity were 500 tons.

Other Ground Purchased.

the magnificent scale inaugurated by mine in the country, and that is prob- churn type, each an independent unit on the way.

short along the grade. The people of almost every foot of the new and intel- But the spectacular feature of the discharging the blast. When the holes Carfield. Bingham call, with pride, the attention ligent development work. During the Boston Consolidated work is found on have been filled and rammed they are Mill at Garfield.

Mill at Garfi

beats the pony express rider. Here is displayed the faith that literally picks up mountains and moves them away. But it is only one manifestation at the supplied man, Samuel Newhouse, a genius that knows, not only a single man, Samuel Newhouse, a genius that knows, not only but how to get a productive, and are additionable to the mountain man, who to get a round-him men, who to get a round-him and more well be equipped and measure fully up to the mammoth fasks he sets them.

The story of the Boston Consolidated that mon-bears the story of the Boston Consolidated and many is a story that is not Mining company is a story that is not make the power to the fact as single shot on the activation of day in the second of day in t

dollars had been expended, the outlay gained from the company's aroual real it is possible to move 10,800 tons of dirt and the attendant labor would ome to port, prepared after the close of bus- per day with the shovel. However. naught. Superintendents and managers iness on Sept. 30, 1906. The production Mr. Hanchett is not attempting to were discouraged. Work as they would during the preceding twelve menths is make any such speed. He cuts the posthey could not find ore bodies in volume sufficient to warrant a continuance phide ore, for which the smelters paid out 5,000 tons a day. This is just about the company \$482,306.69.

The one man who was undiscouraged This output could easily have been the trackage facilities in use it is not was the man who had most at stake. doubled, it is stated, if there had been possible to handle more. That man was Samuel Newhouse. Mr. adequate transportation service on the Reduced to figures, a train of ten Newhouse knew the ore was there in Copper Belt line. Because of the num- cars is loaded every eight minutes. paying quantities, he knew he had one erous disappointments relative to the making sixty trainloads per day of of the greatest copper mines in the handling of the ore, Mr. Newhouse au- eight hours. Each car contains seven So he persevered. The first thorized the purchase of a 90-ton Shea and one-half tons, or 75 tons to the three years were years of discourage- engine, which was placed in operation trainload. If anybody doesn't believe ments, but the courage of Mr. New- Dec. 15, and which will be used exclu- that is lifting the ground at derate house never flagged. In the beginning sively in the Boston Consolidated ser- never before equalled in Utah he should of the fourth year-the Boston Con- vice. Since that time the output of look at a picture of the hill taken, say solidated properties have been operated sulphide ore has been 400 tons daily. July 1, and then go up to Bingham and by Mr. Newhouse for six and one-half and this will shortly be increased to look at what is left of the hill now. A

Six Miles of Development.

Development work in the sulphide do all of the work.

ham. Both shovels are the biggest and air, are certain to be disappointed.

the limit because with the engines and

human activity and ingenuity has rare-ly been seen. But the shovel does not

Lifting the Mountain-Side.

All of the work that is going on in the land forty-six are known to be en fonte. brighter now than they have been in ling the year, the management of the perphyry mine is not above ground. In order to avoid any delay in the se-

phyry could be made to pay. Its values months under discussion, a showing The manner of using the powder is in- built. The company has now nine lo- power will be brought to Salt Lake and in copper were very low and mining on that is probably not exceeded by any teresting. With Keystone drills of the company to lay out a plan Mr. Newhouse and his general mana- ably equaled by only a few. Yet this working under and furnishing its own ty-five-ton shovels of the same charac- ing for that tin ger, Lafayette Hanchett, had not been is only a beginning. During the year power, holes from 80 to 130 feet deep are ter as the one whose working has all water for the mill and the rest of the dreamed of. Nor did Mr. Newhouse that is about to begin the real work driven into the ground at intervals of ready been described. Four and one-buildings has been arranged for. It is

Perched high on the shoulder of a find Mr. Hanchett begin work at once hill that overlooks the mining camp of Bingham, a steam shovel is eating away a mountain. Little engines of ore per day are the shoulder of a find Mr. Hanchett begin work at once that once that not far from 200,000 tons of sulform the begin work at once that not far from 200,000 tons of sulform the porphyry mine.

Two fuses and primers and an election of the sulphide or will be shipped from the Boston to cach hole that not far from 200,000 tons of sulform the plant 1,200 tons of ore per day.

Two fuses and primers and an election of the sulphide or will be shipped from the Boston to cach hole that not far from 200,000 tons of sulform the plant 1,200 tons of ore per day.

Two fuses and primers and an election of the sulphide or will be shipped from the sulphide mine and their efforts were rewarded richly with all the prices of copper will be maintained. It is expected that not far from 200,000 tons of sulfine the plant 1,200 tons of ore per day.

Two fuses and primers and an election of the sulphide mine and the primer are attached to cach hole that not far from 200,000 tons of sulfine the plant 1,200 tons of ore per day.

Two fuses and primers and an election of the sulphide or will be shipped from the barrier primer are attached to cach hole that not far from 200,000 tons of ore per day.

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Two fuses and primers and an election of the sulphide or will be made to cach hole that not far from 200,000 tons of ore per day.

Two fuses are primers are the primer are attached to cach hole that not far from 200,000 tons of ore per day.

Two fuses and primers are the primers are t

Mill at Garfield.

erally known, has a capacity of 3,000 tons per day. It is located convenient-ly on a tract of 790 acres of and pur-

The annual report shows that there are curing of the equipment, all of it has 19.885 feet of underground workings, of been ordered, and part of it, including 19.885 feet of underground workings, of been ordered, and part of it, including busy geting out the ore, and there are sunk to the 1,200-foot level, will probwhich 12,276, or more than 51 per cent, twelve caps of stamps, are already on credit of the mine during the veer was done during the twelve menths hand. Twenty more cars of stamps credit of the mine during the year.

covered by the report.

have been shipped. This mill, when fine.

600-Foot Shaft. New a word as to the general equip- isne !, will contain everything that is

in course of construction and will bin is in course of construction. This bin is in course of construction. This bin is in course of construction and will be ready for occupancy. A matter than building a great of the spectrum of the small bin is in course of construction. This bin is in course of construction and will be ready for occupancy. A matter than building a great of the small bin is in course of construction. This peeted from the examinations which ahead of the output. chine shop, the most complete in the teet wide. Its capacity will be 12,090 state, with the exceptions of possibly the railroad shops, is well under way. A building that will house, the finest machine shop in the state is also uning the steam shovels when necessary, der way. It will be 190 feet long and locomotives and such other repair forty-four feet wide, and every neceswork, however heavy its character, as sary tool needed for repairing the mill and the results obtained have been may be needed. A single item of the and other machinery will be installed equipment is a steam hammer that it it. A handsome residence for the

ly been seen. But the shovel does not five tons. It can strike a 7,000-pound The mili and the other machinery will of one in the mine. blow, a blow that would crush a steel be operated electrically by power fur-Followed then the acquirement, as quietly as possible, of other prospects, including the porphyry mountain through which the steam shovel is characteristic through which the steam shovel is characteristic to the porphyry mountain through which the steam shovel is characteristic to the porphyry mountain through which the steam shovel is characteristic to the porphyry mine. The powder is the ground and makes it is porphyry mine. The powder is the ground and makes it is possible to the porphyry mine. The powder is the ground and makes it is possible to the porphyry mine. The powder is the ground and makes it is possible to the porphyry mine. The powder is the ground and makes it is possible to the porphyry mine. The powder is the ground and makes it is possible to the porphyry mine. The powder is the powder is the powder is the powder in the steam shovel to handle it.

The manner of using the powder a day believed the porphyry mine. The powder is the powder in the steam shovel to handle it.

The manner of using the powder a day believed the porphyry mine. The powder is the powder in the powder is the powder in the powder is the powder is the powder is the powder is the powder in the powder is the powder is the powder is the powder in the powder is the powder There are two of the nine- Boston Consolidated people are prepar-

Water for the mill and the rest of the being piped in from Droubay and E. P. springs, eleven miles from Garfield,

near Grantsville. The Newhouse Mine.

Samuel Newhouse is interested in many mining companies. He has given his name to but one, the Newhouse company of Beave: county, where the Cactus and other great properties have been united in ... corporation. Here, too. is the lown of Newhouse, the model city laid out with as much care and forethought as it was possible to give to the undertaking.

While the stock market is not always an accurate index to the value of a property, for often fictitious values are created for stocks and, similarly, unfair methods of depreciating a security are used, the Newhouse stock is worth studying. Early in the year it sold Riter, jr., general manager, and directaround \$5 a share. It is now selling, in spite of all depressing influences, at more than \$17 a share. The consistent tise in Young a share. The consistent tise in Young and the year it sold Riter, jr., general manager, and directors, George Y. Wallace, jr., and L. C. Riter. rise in Newhouse stock has been caused TINTIC MINING COMPANY by morit, and by merit alone.

Work has progreseds rapidly on the properties during the year that is now about to close. The great steam shovel installed by Manager Lafayette Han-This loosens much more ground and mine in Bingham. makes its removal easier.

the Cactus This ore has been rapidly connected with the company. It has developed on the fifth and sixth levels, been turning out some of the best ore thus revealing what is regarded by Mr. in the district, but what the value of Hanchett and Mr. Newhouse as prac- it is, and what are the immediate prostically a new mine. Development of this ore body has resulted in the block-ing out of more than 1,000,000 tens or keeps religiously to itself. ore of a grade that is much higher than that in the older workings.

Preparations are now under way for sinking in this ore. For that purpose been shipping about 12,000 tons of ore electric hoists are to be used. An addi- a month on an average, and this has tional boiler with a capacity of 300-horse power has been ordered and will arrive for installation in February. A second condensing plant is on the way, is one of the best equipped of its kind and ten more jigs have been added to in this part of the country, and has all the attorners rest thin each the nearly supt

difficulties encountered, or in spite of that the prices of copper will be mainthem, Mr. Hanchett is authority for the tained and improved upon is justified

It does beat the old way. It heats 60 feet thick, 140 feet long and 160 feet | February last. In June he had one witness a tremendous upheaval, with rials, he would put the mill in commistate the old way as easily as the modern high, according to actual measure-perched up on the hillside at Bing-rocks and debris shooting night in the sion early in July. The mill, as is gen-time they are ready for occupancy.

some time. The company has been ment work. The shaft, which is now busy geting out the ore, and there are

The shaft on the property is down 600 erties at Bingham. A thirty-room branch of the mining industry.

bearding house for the shovel crew in Back of the mill building a great ore the engineers have made that the company will encounter larger bodies of New York and other parts of the east, ore than have heretotore been discov- and the management of the company is ered in the mine.

> done during the year on the property, highly satisfactory to the managers of little stream, but getting there just the the company, who have confidence in same and making few splashes in the

Worked for Twenty Years.

The mine has been worked for more pended upon for several years to come than twenty years, off and on, but the to give up all that there is to make the present activity in all of the mining investment worth while. camps, and especially at Tintic, nas served as an impetus to the manageof campaign which will be put into execution during the coming year.

The company has carried on an enwhich has been systematic during the for further particulars year and has obtained better results CITY TICKET OFFICE, 261 Main St. than were anticipated by the most enthusiastic supporters of the property during the year.

In Hands of Few.

The control of the company is in the hands of a few Salt Lake capitalists, who have spared nothing within regson to get the results which the engineers who have examined the property have said was in the mine. campaign of development will be vigcrously pushed during the year, and tt is expected that by the time next December has rolled around again that there will be one of the best showings for the company on the books which has ever been known.

The officers of the company are:

HAS HAD A GOOD YEAR

Among the most successful of the chett in February has been working mines in the Bingham camp is the Tinsteadily and rapidly ever since, stripping the surface of the deposits on the which owns the Yampa mine in that Cactus. Following this work sinking district, which has for years been on has begun on what is known as the company hole plan. The Glory hole method, as every mine: knows, is simply the mines in the camp. Besides having one of the best od, as every mine: knows, is simply the use of holes considerably larger than dles all of its own ores, which are ordinary drill holes, with black powder. treated at the Yampa smelter near the

The company is controlled by eastern In August last a big new ore body capital mostly, and there is an even was encountered on the fourth level of tenor of its way air about everything

12,000 Tons a Month.

Mill at Garfield.

That mill is worth a journey out to Garfield, incomplete though it is at the placed on a dividend earning basis.

The town itself has prospered also, creasing at the rate of 5 per cent per creament time.

it can do to take care of the ore which

year.

Pushing Work.

The company is always pushing

The officers of the company are all in left to the men who are on the ground Much development work has been here and at Bingham,

The Tintic company goes on like the brook without babbling like that cool

It is regarded by conservative mining men as one of the propositions which takes sare of itself at all times and is an old reliable which can be de-

REDUCED RATES For Christmas Holidays,

Via Oregon Short Line. Tickets on sale Dec. 20, 21, 22, 24, 25 and 31, and Jan. 1, ergetic campaign of development work 1907, final limit Jan. 7, 1907. See agents

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